

■ ■ ■ ■ Advanced SQL and Oracle optimizer



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GM2S

# Agenda: day 1



- Introduction
- SQL functions
- Exercise 1
- SQL aggregate functions
- Exercise 2
- Views
- Time dependencies within SQL
- Exercise 3

# Agenda: day 2



- Analytical functions
- Exercise 4
- Hierarchical queries
- Exercise 5
- Inner- and outer join
- Exercise 6
- Subqueries
- Exercise 7

# Agenda: day 3



- Regular expressions
- Exercise 8
- Database constraints - Part 1
- Exercise 9
- Database constraints – Part 2
- Transaction & Locking
- SQL generation
- Exercise 10
- Add ON
- **Optimizer** 4

# Goal of this training



- You learn advanced SQL functions
- You learn specific SQL related features of the Oracle optimizer
- You get more confident on advanced SQL with dedicated exercises
- You get an answer to all your questions!

# Who am I?



- 1988-1994
  - Computer science at the ETH (Zürich)
  
- 1994-2000
  - LHS Group
  - BSCS billing system based on Oracle
  - Database team leader
  - Responsible for all performance related issues like migrations, architecture designs, etc.
  
- 2001-2008
  - Trivadis AG
  - Leading consulting company in CH,D and AT
  - Senior consultant
  - Application performance management, performance tuning, developments, architect, trainer, etc.

# Who am I?



- 2008-now
  - GM2S GmbH 
  - Own company
  - Senior principal consultant at FI-Solutions / Dispena solutions  
Owned by FORS, largest Oracle partner in Russia
  - Expert areas:  
Oracle, performance, architecture, information security, development,  
project management, Splunk, EVAM, etc.
  
- For any question, etc. just get in touch with me
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